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## PATENT ABSTRACTS OF JAPAN

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HASEGAWA TORU**(54) **DEVICE FOR FEEDING FUEL OF VEHICLE**

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(57) Abstract:

**PURPOSE:** To make a driver artificially realize the condition of fuel shortage by reducing a fuel feeding quantity bit by bit based on a signal which is generated at the time of detecting that the remaining quantity of fuel in a fuel tank becomes small.

**CONSTITUTION:** In a processing device 7, when the liquid surface in a tank 1 is high, a thermistor input is at a low level of (a) and a current (b) flows in a solenoid 3a. When the liquid surface is lowered, the thermistor is exposed in the air and its temperature rises to increase the quantity of a current, generating a signal A. The processing device 7 controls the voltage of a third terminal by this signal and turns on/off a transistor 8 to control a solenoid current, thereby gradually reducing a conduction time at a defined period T to gradually reduce the exciting time of the solenoid 3a in accordance with the lapse of time (t). Thereby, the fuel quantity passing through a solenoid valve 3 is reduced in proportion to the exciting time. Hence, the output of an engine is gradually lowered enabling a drive to sense this.

